An Essan On the Nature and Treatment of Fractures Woeshectfully Submitted Tomocop athic Medical College Of Vennsylvania An A. Stiele M.D. Of Germont. Febig 1 st 1858.

Nature and treatment of Fractures When we look around our world, and see the bask-number of the human race that have been rendered cripples by the moltreatment of fractures, it brings to aur minds the great imporlance of the surgeon making himself acquainted with this brunch of his profession so that he may remedy This greats evil. And by so doing he will not only be of service to his fellow beings but he will benefit - his own self. Har who would give busness: to the man who has one made a groß blunder whereby he has neiellefoly rendered his patent

a cripple during the rest of his days on earth? And how exceedmaly annoying N- must be to the pructicioner eur ofter to look whom the person whom whom he has cansed such a deformaly. Nature has very wisely divised memo so that with human aid frue-Tured bones may be firmly and permanently united. and M- devolves upon the surgion to offish - her mithis great - work. As the treat ment - of fractures is one of the most common daties of the surgeon and one that he so liable to be collect

whom to pirform without a momento preparation il io of the not most unportance That he should muh himself thoroughly acquainted, with every Thing that purtains to Thier nature and treatment, The first- thing to be taken into consideration in this branch of surgery so the manner in which The fracture is occasioned. Fractures are the result-either directly or mourethy) of come external violence. Those consul by direct- violence, are as a general thing much more verious Thun Those occasioned by molacel-force as the soft- parts are very tiable

to be greatly mjured as m The case of a grin shot wound ar The crushing of a limb by a while. By direct-violence the bomo are snopped as it-were between a risist me substance on one side and the wirghtof the body on the other as for example a person may Jump from a high stand, and alight- on his feel- thus causing a fracture of the firmer The long bones are the mostliable to this kind of fraehere and are generally broken at their most convey portion Wholent-muscular action is The friguent- cause of fracture

as in the patelle or the accromion proceso. The predis passing canno of fractures are numerous. Some bones are extremely liable, for the reason that they are used for support - as the bones of the arm and fore arm, The shape of a bone predispuses it - To frac -Turn Thus The long slender bone so more liable to fraction Thou The short - thick one, certain parto are more liable as where powerfull muscles are attached or when they are mar expand atuations, Age has much to do with the frequency of fracthereo the old or young persom are more luble thou

The middle aged for the ruson That in young persons the bones are not-completely ofsificiel and will not bear much violences and in old people the bones Contain a lip amount - of anmal matter which consequentby renders them more brittle. Bones may be weakened by Certain discuss such as syphilis or Mircurial diseases. Males are more liable to fractures Than gemules they being more exposed to danger. Fractures are divided into two great-clopes. Simple and Campound. The simple fracture so where The bone is murely broken,

The compound is when the soft- parts - are ruplured es That The broken bone has a communication with the external surface, I'me directions of fractures are three m mimber tronsverse obligne and langetudmal. The transverse is generally cursul by direct violence. The obligue is caused by maired-brolines The breaking force being applier to the extremetus and not the shaft of the bone, The longituelinal may arrise from a barrely of course, The signs of fracture are as follows. 12h- Change of shope of the part.

2 nd mnatural mobility, and 3 rd Cripituo, I'he change of shope may be cansul by the force that produced the fruelure ar what is more generally The contraction of muscles that are attached to The broken fragments. Tre ter natural mobility comot etist- without- fracture butyou may have fracture without mobillity as where the two ends of bone are wedged together. Crepilio is the gra Ing together of the fragments of bone, al- may be either, heard or fell-, this is certainby one of the most - valuable

signs to diagnose fractures. but - it - comot - always, obtained as when The fracture is transbern and The broken bones are drawn past-each other or the bons may be mpaetel. When The practicioner comes me contact with such Cuses he should spare no pains. but - moke a thoraugh examination of the part my mu. atthough itmay give his pattent much pain get it so doing hima great - kind ness. In the treatment of fractures The great - ann of the surgion should be not-only to

oblam a sound and strong limb but one that presents as little deformily as profiible. The quistion of once arrises how is this to be accomplished? The broken bones must be brought in as direct - apposition as posnow and The recurrence of displace ment priventect. and the local and conth tutional conth hong The patient properly attended to. When The surgeon is collect to treat a fraction of it be one that will require the parient to be hept-m bed for any lingth of time

he must - ree that the bed is suitably prepared by being much hard flutand firm. The best-is the hair muttress. He nextproceeds to the examination of the moury, After he has salis fiel himself with nopect to the fracture the part-should be placed in an easy position until any apparatus that may be re gured has been prepared. When all is ruely he must proceed with The reduction This should be done as room as proporble for after a shortspace of time The museles

be come shortned and rigged There for rendering much more force necespary to accomplish the same end. The limb should be m That position that the bulk of muscle will be relaxed by this mens aggreat deal of farce and pain tothe patient will be worded After The reduction means must be employed to prewent the recurrence of displacement. This is accomplished by means of a variety of bundages and splints. It would be useles for no to emmurate all the

different varieties of splints as they are as mimirons as The people that have used Them. The drespings of a fracture should be applied quite lovely at-first- or the limb may swell and produce strangulation. Very Complicated apparatuses should be assided as much as papible for they are notonly liable to get and of repair and position, butthey are very combersome to the patient. The surgeon can manufacture from wood parte-board and gutta-percha all that is

mecepary in the treatment of any fracture and generally moder the most - mn fudorable cir connectances. Very good success has followed The nor of The starch bundage, Mimerous accidents are hable to occur during the treatment of fractures which the our geon should under Mand, They are of two varieties General and Special of the first-variety The most common are . Tetanno. Tammalie allirim and engripelus. Among the special are obscip. Oedema gangreen and spasm of the

muscles of the limb. In order to prevent - These conditions the general health of the patient must be care fully attended to The room being well ventilated nourshing diel- allowed and long confinement to bell awided by the use of the starch bandage, But of these conditions should occur they must be combated with the propper remedio. much more could be written whom this impartant subject but the want of Time compels no to close.